

ENGLISH (1/2)

LVT2123-029A[US/UX/UG/UW]

JVC

MICRO COMPONENT SYSTEM

UX-F4VB

—consists of CA-UXF4VB and SP-UXF4VB

INSTRUCTIONS

DOLBY DIGITAL

USB

DVD VIDEO

SD

MP3/WMA

Digital Direct Progressive Scan

Thank you for purchasing a JVC product.

For turning off the demonstration display, see "Canceling the display demonstration" in "Initial settings."

0510YOMMDWCDT

©2010 Victor Company of Japan, Limited

CAUTION: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:  
1. Front: No obstructions and open spacing.  
2. Sides/Top/Back: No obstructions should be placed in the areas indicated by the dimensions in the illustration.  
3. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

Front view

Side view

15 cm

1 cm

15 cm

1 cm

15 cm

10 cm

Speaker

Speaker

Main unit

15 cm

15 cm

10 cm

Speaker

Main unit

Precautions

Notes on the power cord

• When you go away for an extended period of time, remove the plug from the wall outlet.  
• When unplugging the System from the wall outlet, always pull the plug, not the power cord.  
• Do not handle the power cord with wet hands.  
• Disconnect the power cord before cleaning the System or moving the System.  
• Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.

Avoid moisture, water, dust, and high temperatures

• Do not place the System in moist or dusty places.  
• If water gets inside the System, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using the System in this state may cause a fire or electrical shock.  
• Do not expose the System to direct sunlight or place it near a heating device.

Notes on installation

• Select a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.  
• Do not install the System in a place subject to vibrations.  
• Do not put heavy objects on the System.

To prevent malfunction or damage to the System

• Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the System.  
• Do not block the vents.

There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.

Specifications

Main unit—CA-UXF4VB

Output Power: 100 W (50 W + 50 W) at 6 Ω (10% THD)  
Audio Input: AUDIO IN: Stereo mini (ø 3.5 mm)  
Microphone Input: MIC: Monaural mini (ø 3.5 mm)  
Audio output: SUBWOOFER OUT: 500 mV/10 kΩ  
Digital output: OPTICAL DIGITAL OUT: −21 dBm to −15 dBm (660 nm ±30 nm)

VIDEO OUT × 1  
COMPONENT VIDEO OUT × 1  
Speaker impedance: 6 Ω – 16 Ω

Tuner

FM frequency: 87.50 MHz – 108.00 MHz  
AM frequency: For Saudi Arabia: 531 kHz – 1 602 kHz (at 9 kHz intervals)  
530 kHz – 1 600 kHz (at 10 kHz intervals)  
531 kHz – 1 710 kHz (at 9 kHz intervals)  
530 kHz – 1 710 kHz (at 10 kHz intervals)

USB

USB specification: Compatible with USB 2.0 Full Speed  
Compatible device: Mass storage class  
Compatible system: FAT16, FAT32  
Output power: DC 5 V --- 500 mA

SD

Compatible device: SD, SDHC  
Compatible system: FAT16, FAT32

General

Power source: AC 110 V– 127 V/AC 220 V– 240 V ~ (adjustable with the voltage selector), 50 Hz/60 Hz  
Power consumption (at operation): 45 W  
Power consumption (on standby): 1.00 W or less  
Dimensions (approx.) (W × H × D) (including projecting parts): 236 mm × 123 mm × 285 mm  
Mass (approx.): 2.0 kg

Speaker—SP-UXF4VB

Speaker type: Bass-reflex type (Magnetically-shielded type)  
Tweeter: 4 cm  
Woofer: 12 cm  
Impedance: 6 Ω  
Dimensions (approx.) (W × H × D) (including projecting parts): 141 mm × 250 mm × 181 mm  
Mass (approx.): 2.2 kg each

Supplied accessories

See "Supplied accessories" in "Getting started."

Design and specifications are subject to change without notice.

Getting started

Supplied accessories

After unpacking, check to make sure that you have all the following items:  
• Remote control (× 1)  
• Lithium coin battery CR2025 (× 1)  
– The battery has been installed in the remote control when shipped from the factory.  
• FM antenna (× 1)  
• AM loop antenna (× 1)  
• Composite video cord (× 1)  
• AC plug adaptor (× 1)  
(not supplied for Middle Eastern and Saudi Arabian models)  
If anything is missing, consult your dealer immediately.

In this manual...

• The remote control buttons are used for explaining the operations unless mentioned otherwise. However, if the System has the same or similar button names, they can also be used for the operations.  
• The English on-screen displays and terms are used for explanation though you can change the on-screen language.  
• "SD card" refers to both SD card and SDHC card.  
• "File" and "track" are used interchangeably.

Prepare the remote control

When you use the remote control for the first time, pull out the insulation sheet.

To replace the battery in the remote control

3

+

4

2

1

Lithium coin battery (product number: CR2025)

NOTES:

• Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.  
• To prevent the battery from overheating, cracking, or starting a fire:  
– Do not recharge, short, disassemble or heat the battery or dispose of it in a fire.  
– Do not leave the battery with other metallic materials.  
– Wrap the battery with tape and insulate when throwing away or saving it.  
– Do not poke the battery with tweezers or similar tools.  
• Dispose of battery in the proper manner, according to federal, state, and local regulations.  
• The battery (battery pack or battery installed) shall not be exposed to excessive heat source such as sunshine, fire or the like.  
CAUTION:  
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Connections

Do not connect the AC power cord until all other connections have been made.

After connecting a TV, select the appropriate video signal output setting according to the connection method. See "Setting the scanning mode" in "Initial settings" below.

NOTES:

• Make sure the antenna conductors do not touch any other terminals, connecting cords or the power cord. Also, keep the antennas away from metallic parts of the System, connecting cords, and the AC power cord. Otherwise, it could cause poor reception.  
• When connecting the speaker cords, match the polarities of the speaker terminals: red to (+) and black to (–).  
• DO NOT connect more than one speaker to each terminal.  
• Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the System.  
• DO NOT allow the conductor of the speaker cords to come into contact with the metallic parts of the System.  
• The speakers are magnetically shielded to avoid color distortions on TVs. However, if not installed properly, it may cause color distortions. Therefore, pay attention to the following when installing the speakers.  
– When placing the speakers near a TV set, turn off the TV's main power switch or unplug it before installing the speakers.  
– Then wait at least 30 minutes before turning on the TV's main power switch again.  
– Some TVs may still be affected even though you have followed the above instructions. If this happens, move the speakers away from the TV.  
• Connect your TV directly to the System. Connecting the System to a TV via a VCR or an HDD DVD recorder may interfere with your viewing. Connecting an integrated TV/VCR system to the System may also interfere with your viewing.

FM antenna (supplied): Extend it so that you can obtain the best reception.

For better FM reception

Disconnect the supplied FM antenna, and connect to an outdoor FM antenna (not supplied) using a 75 Ω wire with coaxial type connector.

From right speaker

From left speaker

Turn it until the best reception is obtained.

NOTE:

Keep the AM loop antenna cable wrapped around the AM loop antenna frame, otherwise the effectiveness and sensitivity of the AM loop antenna may be reduced.

Connect your TV to the System using either a composite video cord or component video cord.

When you connect a TV using a component video cord, you can enjoy a high quality picture by selecting the progressive scanning mode. To select the scanning mode, see "Setting the scanning mode" in "Initial settings" below.

Before connecting the System to the power supply, make sure that the powered subwoofer is turned off.

From the powered subwoofer (not supplied)

Optical digital cord (not supplied)

Voltage selector switch (on the bottom of the System)

110V-127V

220V-240V

CAUTION for mains (AC) line

BEFORE PLUGGING IN, do check that your mains (AC) line voltage corresponds with the position of the voltage selector switch provided on the outside of this equipment and, if different, reset the voltage selector switch, to prevent from a damage or risk of fire/electric shock.

When playing multi-channel encoded software, the System properly converts the multi-channel signals into 2 channels, and emits the downmixed sound from the speakers. To enjoy the powerful sound of the multi-channel encoded software, connect a proper decoder or an amplifier with a built-in decoder to the OPTICAL DIGITAL OUT terminal.  
• Set "AUDIO OUT" in the "F" menu correctly according to the connected digital audio equipment (see "Setup menu operations of the System" on page 4).  
• The digital signal is transmitted through the OPTICAL DIGITAL OUT terminal when "DVD/CD," "USB," or "SD" is selected as the source.

To a wall outlet

• If a wall outlet does not match the AC plug, use the supplied AC plug adaptor (not supplied for Middle Eastern and Saudi Arabian models).

Playable disc/file types

DOLBY DIGITAL

DOLBY DIGITAL

DOLBY DIGITAL

MP3/WMA

DOLBY DIGITAL

DOLBY DIGITAL

DOLBY DIGITAL

Video CD

DOLBY DIGITAL

DOLBY DIGITAL

DOLBY DIGITAL

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in the UDF-Bridge format can also be played.

DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.

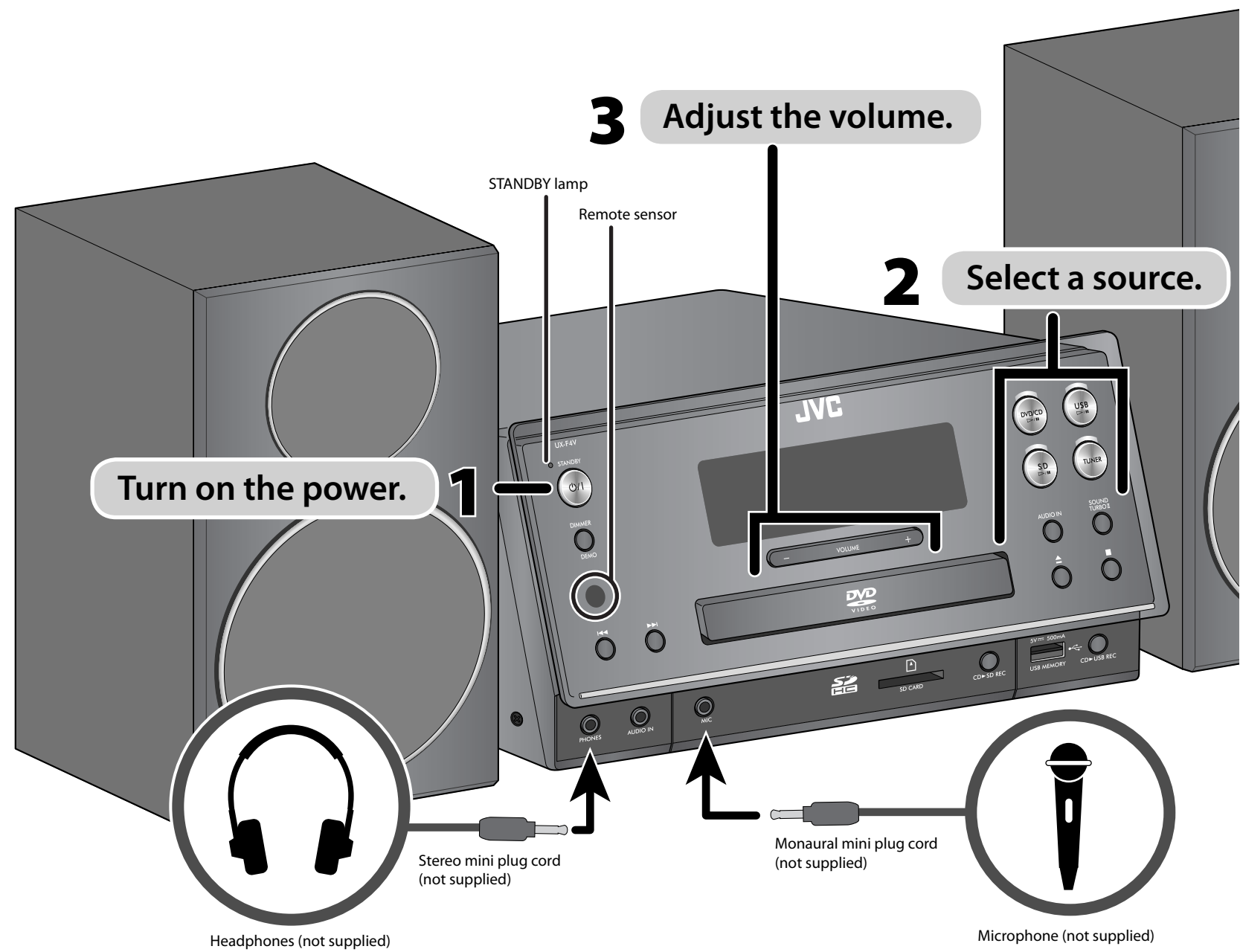
USB mass storage class device, SD/SDHC card: MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files.

CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, JPEG, MPEG-1, MPEG-2, and DivX\*1 files written in accordance with the "ISO 9660" format can also be played.

DVD-R/-RW, +R/+RW: Recorded in



# Basic operation



Turn on the power.

Adjust the volume.

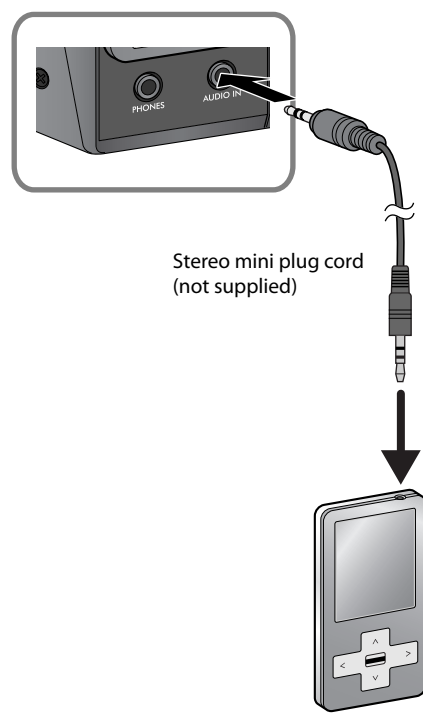
Select a source.

The **HP** indicator lights up when headphones are connected to the System.  
• Be sure to turn down the volume before connecting or putting on the headphones.

The **MIC** indicator lights up when a microphone is connected to the System.  
• Set "MIC VOL" to "0" when connecting or disconnecting the microphone (see "Singing a song in Karaoke" in "Karaoke operations" on page 3).

**DO NOT turn off the System with the volume set to an extremely high level;** otherwise, the sudden blast of sound may damage your hearing, speakers, and headphones when you turn on the System or start playback.

## External device

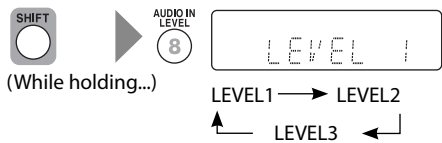


### Playback operation

- 1 AUDIO IN
- 2 Start playback of the external device.

### Adjusting the audio input level

You can change the audio input level through the AUDIO IN jack.

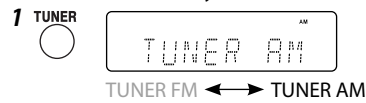


• The playback sound is the maximum when you select LEVEL3.

## Radio

### Selecting the AM tuner interval

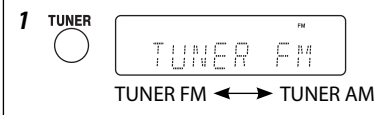
Before operating the tuner, select the appropriate AM tuner interval used in your residential area.



- 2 Select the AM tuner interval. (On the main unit)

(Hold) 9K ↔ 10K ↔ 10K ↔ 9K  
Each time you press and hold **■**, the interval switches between 9 kHz and 10 kHz alternately.

### Searching for stations



- 2 (Hold) (Hold)

The station search stops when a station of sufficient signal strength is found.  
• To manually stop the search, press **▲** or **▼**.

- When you press **▲** or **▼** repeatedly, the frequency changes step by step.
- You can use **▶▶** or **◀◀** on the main unit instead of **▲** or **▼** on the remote control.
- When an FM program is broadcast in stereo, the **S** (stereo) indicator lights up.

### Improving the FM reception

To improve the FM reception

- When the monaural mode is activated, the reception is improved. However, the stereo effect is lost.
- To restore the stereo effect, press **TUNER MODE** again.

### Presetting stations

You can preset up to 30 FM and 15 AM stations.

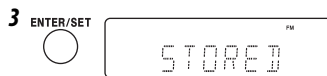
While listening to a target station...



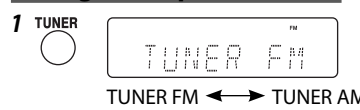
- 2 Select a preset number.



- To select a number, see "How to select a number using the remote control" on page 3.



### Tuning in to a preset station

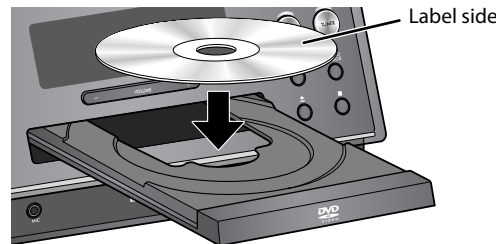


- 2 Select a preset number.



- To select a number, see "How to select a number using the remote control" on page 3.

## Disc/USB/SD

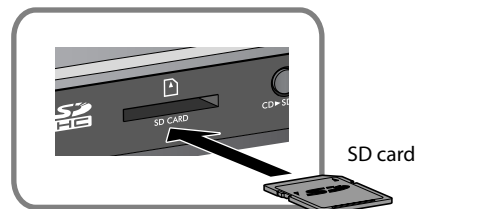
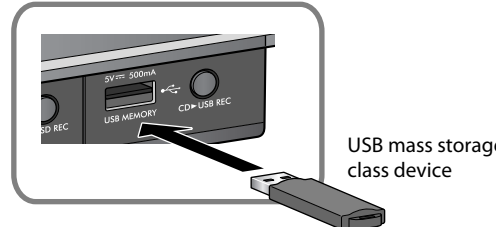


### Notes on USB mass storage class device connection

- Connect a USB mass storage class device when the System is turned off to prevent malfunction.
- Do not use a USB hub.
- When connecting with a USB cable, use a USB 2.0 cable whose length is less than 1 m.
- The USB mass storage class device is charged through the USB MEMORY terminal when the System is turned on. (Some USB mass storage class devices may be charged through the USB MEMORY terminal only when "USB" is selected as the source.)
- You cannot connect a computer to the USB MEMORY terminal of the System.
- Electrostatic shock at connecting a USB mass storage class device may cause abnormal playback of the device. In this case, disconnect the USB mass storage class device then reset the System and the USB mass storage class device.
- While playing back or recording a file onto a USB mass storage class device, do not disconnect the device. Doing so may cause malfunction on both the System and the device.

### Notes on SD card insertion

- DO NOT insert any object other than an SD card into the insertion slot.
- DO NOT use a cracked or deformed SD card.
- Make sure that SD card playback has stopped before removing the SD card. Otherwise, the data may be damaged.
- Never insert an SD card upside down. Otherwise, it will not be able to be removed.
- When you play a miniSD™ card, be sure to attach the miniSD™ adaptor to the card before insertion.
- SD cards initialised by computer may not be compatible.
- You can use an SD card of up to 32 GB.
- Do not remove the SD card while recording. It may cause malfunction.



### Before playing back a disc/file:

- Turn on the TV and select an appropriate input mode on the TV to view the picture or on-screen display.
- For disc/file playback, you can change the initial setting to your preference. See "Setup menu operations of the System" on page 4.

### Playback operations

#### To play back/pause a disc



#### To open the disc tray

Press **▲** on the main unit.

#### To select a chapter/track

Press **▶▶** or **◀◀**.

#### To locate a particular section

Press **▶▶** or **◀◀** repeatedly during playback.

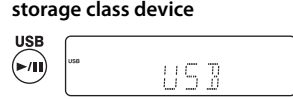
• Each time you press **▶▶** or **◀◀**, the search speed changes as follows.

– FORWARD × 2, × 4, × 8, × 20

– BACKWARD × 2, × 4, × 8, × 20

• To return to normal playback, press **DVD/CD ▶/II**, **USB ▶/II**, or **SD ▶/II**.

#### To play back/pause a USB mass storage class device



#### To locate an item directly

Press a number button.

• To select a number, see "How to select a number using the remote control" on page 3.

#### To select a group/title

Press **GROUP/TITLE SKIP ▶▶** or **GROUP/TITLE SKIP ◀◀** while holding **SHIFT**.

#### To stop playback

Press **■**.

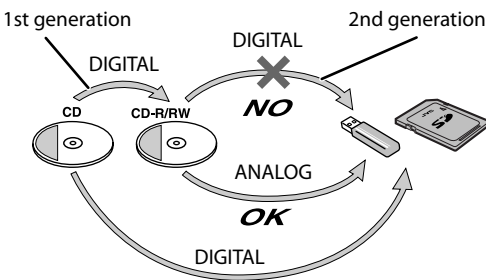
### Recording operations

#### Before you start recording

- It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.
- The volume and sound adjustments (see "Basic operation," pages 3, and 4) do not affect recordings.
- Random Play and Repeat mode are canceled during recording.
- You can record up to 99 tracks per group onto a USB mass storage class device or SD card.
- Tracks which are recorded onto a USB mass storage class device or SD card will be converted into MP3 format.
- Recording does not start while "READING" is shown on the display.
- You cannot record tracks in the root.

#### About SCMS (Serial Copy Management System)

The System uses the Serial Copy Management System which allows only first-generation digital copies to be made of premastered software such as regular CDs. If you try to record from a duplicated CD-R or CD-RW to a USB mass storage class device or SD card, "SCMS VLT" appears on the display.



#### Recording from a Disc

You can record tracks from a CD to a USB mass storage class device or SD card.

#### Before recording...

Connect a recordable USB mass storage class device to the USB MEMORY ( **▶▶** ) terminal or insert a recordable SD card into the SD CARD ( **▶▶** ) slot.

#### 1 Start and stop playback of the disc.



#### 2 Start recording.

(On the main unit)



The **USB REC** or **SD REC** indicator starts flashing.

- Do not vibrate the System while recording. It may damage the recorded tracks.
- The System automatically creates the new group.
- When playback ends, recording automatically stops.
- To stop recording manually, press **■**.
- To record a single track, press **CD=USB REC** or **CD=SD REC** on the main unit during playback of the track.
- To record tracks in the programmed order, turn on Resume Play before you start Program Play. (For details of Program Play and Resume Play, see "Advanced playback operations" on page 3.)
- If "NO REC" appears on the display when you try to record a track, the System cannot record that track.